La Public Private Partnership sull'Efficienza Energetica degli Edifici: esperienza acquisita e prospettive verso Horizon 2020.

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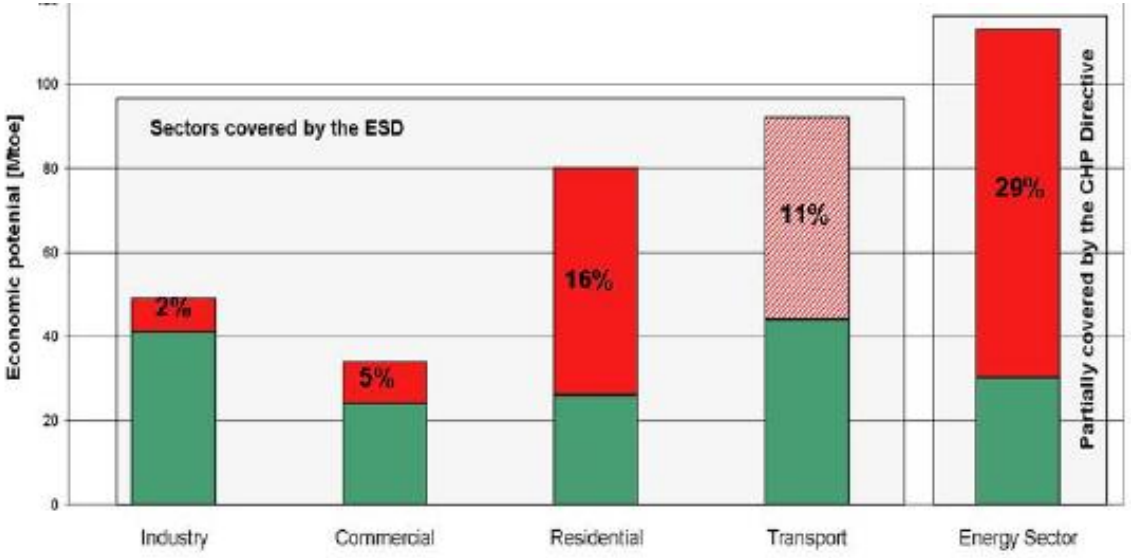
Relevance of (existing) buildings

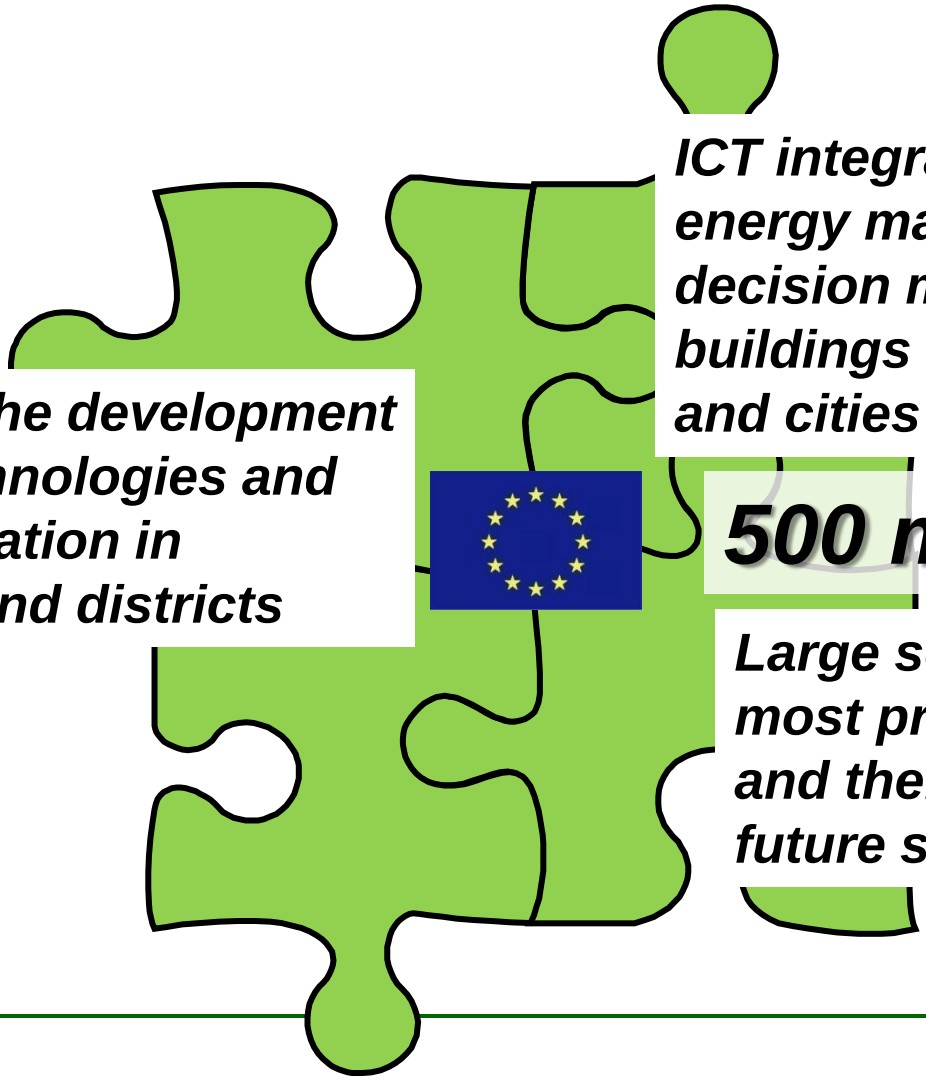
- **Buildings use 40 % of total EU energy consumption**
- **The built environment generates 1/3 of GHG in Europe**
- **Existing buildings and retrofitting are key challenges**
- **Buildings provide the second largest untapped cost-effective potential for energy savings after the energy sector**



Savings expected to be achieved with already existing measures

Remaining saving potential to be addressed with new measures

A working PPP is in place (1/2)



ICT integration for effective energy management and decision making from buildings to neighborhoods and cities

Fostering the development of new technologies and their integration in buildings and districts

500 million Euro

Large scale demonstration of most promising solutions and their contribution to future smart cities

A working PPP is in place (2/2)

- ***Industry has succeded in engaging all key stakeholders from planning to project implementation***
- ***High industry participation wrt FP7 traditional instruments with high SME involvement***

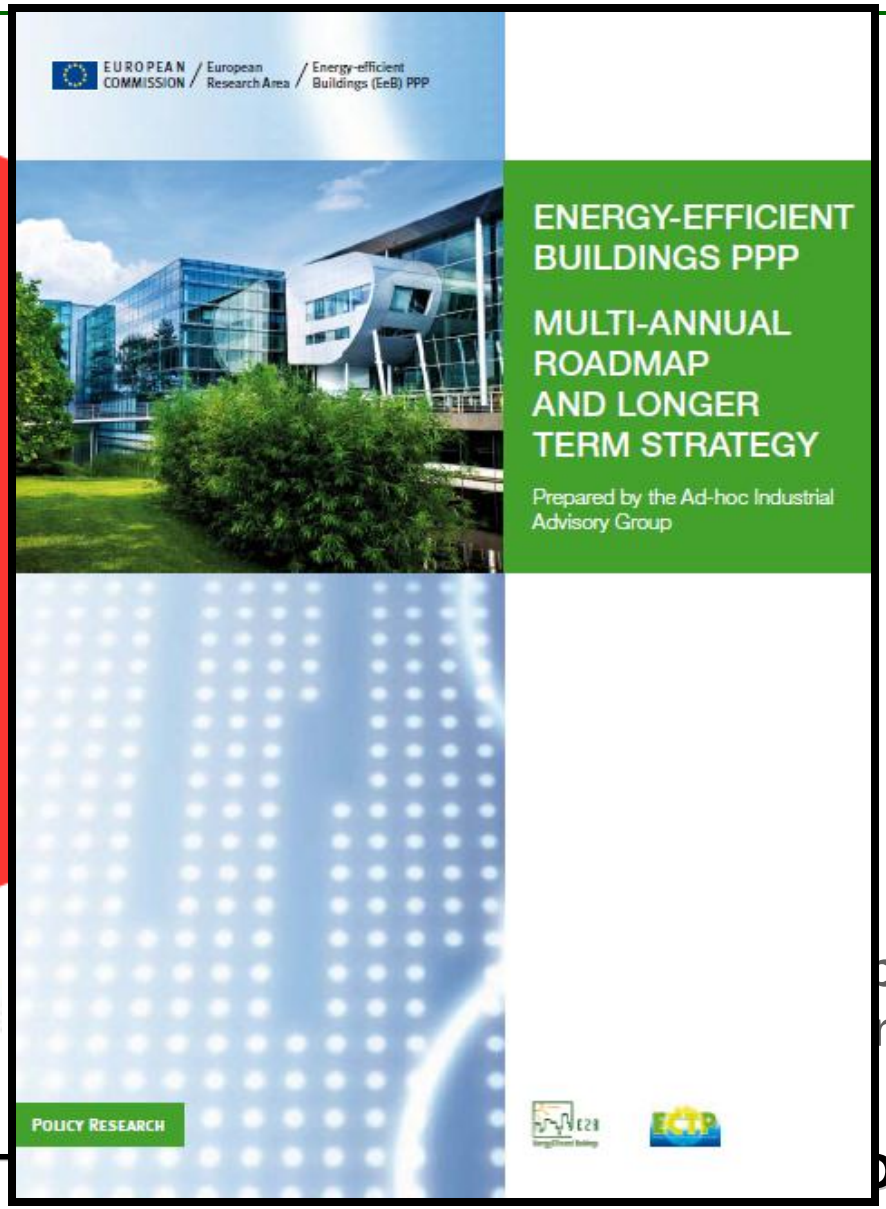
Results of EeB Calls

	July 2009	July 2010
Success rate:	**28% 17 funded of 60**	**20% 24 funded of 120**
• **Share by Org. Type:**		
- Higher Education:	**18%**	**15%**
- Private for Profit:	**48%**	**53%**
- Research Org.:	**26%**	**24%**
• **Share of Funding of SMEs:**	**24%**	**30%**
• **Countries of funded partners:**	**24**	**26**

Over 200 million Euro this year!

From a project to a programme logic

Project Concepts/ opportunities



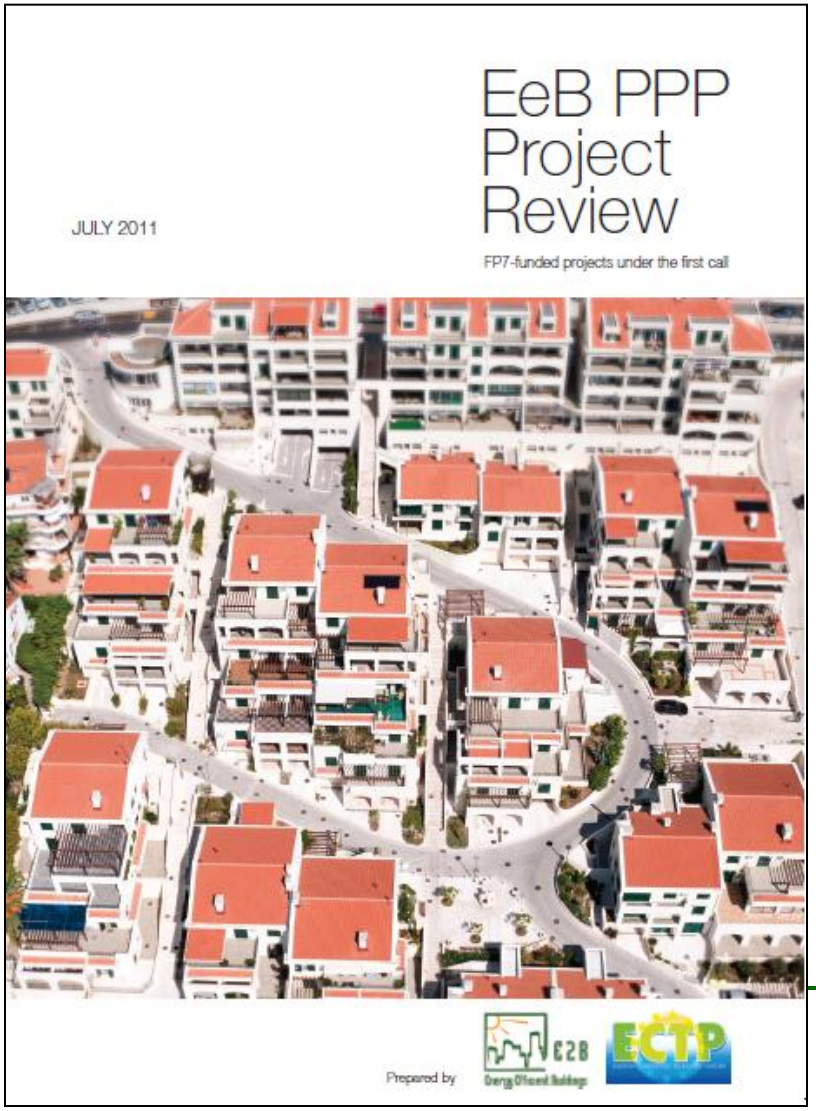
Non technological barriers and cross-cutting issues

Front End >

blication and ment throughout and beyond

>>>> E2B ST ADMAP >>>>

EeB PPP Project Reviews



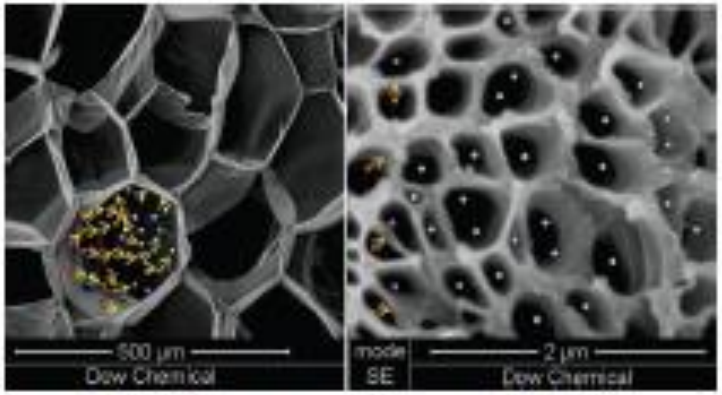
COOL-Coverings

Development of a Novel Cost-effective Nanotech Coatings

School of the Future

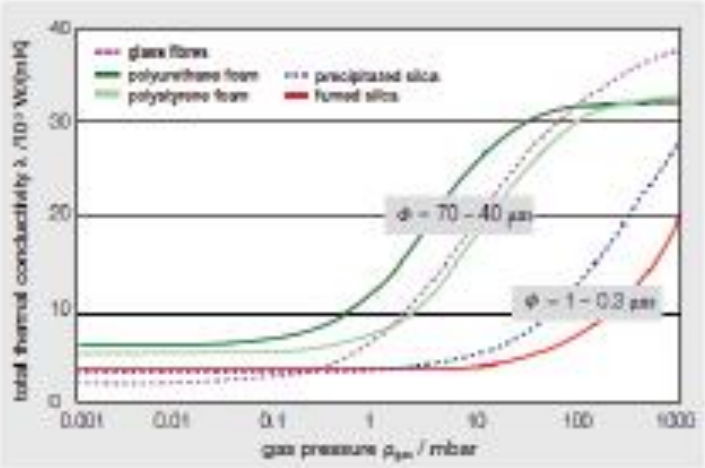
School of the Future: Towards Zero Emission with High Performance Indoor Environment

NANOFOAM



Heat transfer through gas molecules collisions – in a Nanofoam (right), intermolecular collisions are not effective due to reduced number of gas molecules in the pores

New NANO-technology Based High Performance Insulation Foam System



s (2/4)

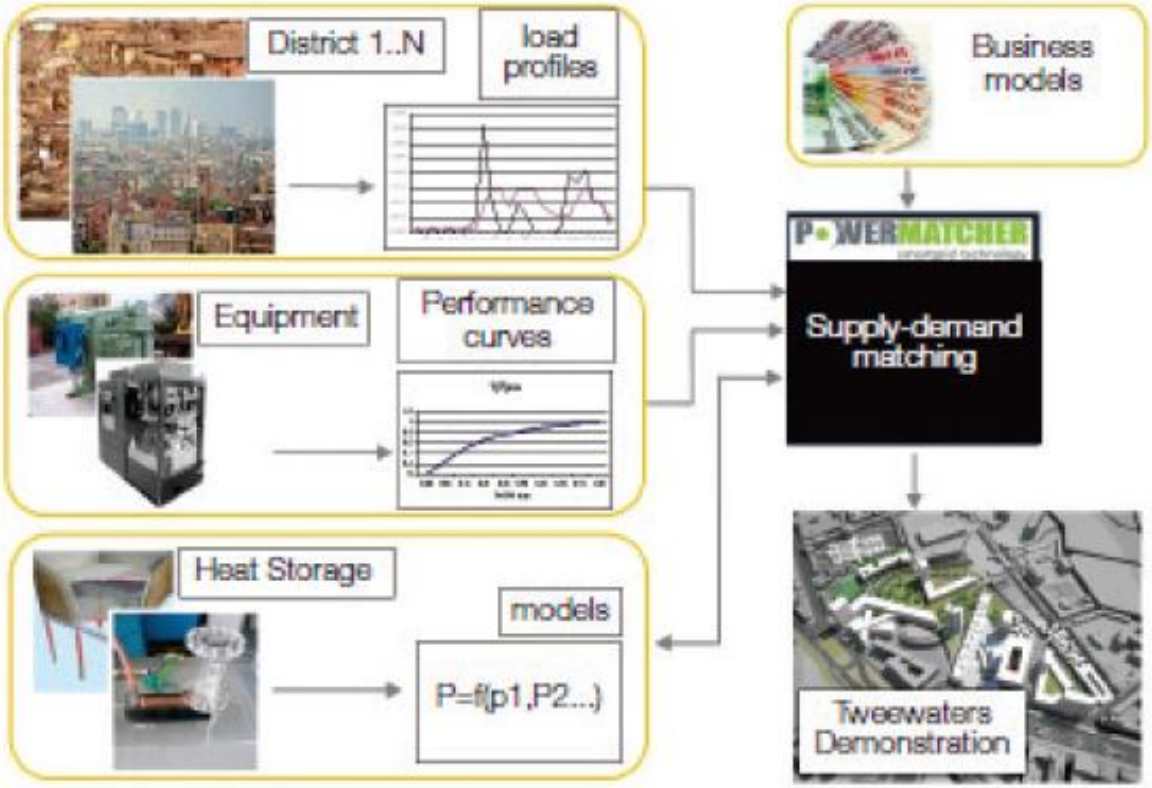
New µ-CHP Network Technologies for Energy Efficient and Sustainable Districts

New Technologies for Energy Efficiency at District Level

e-hub

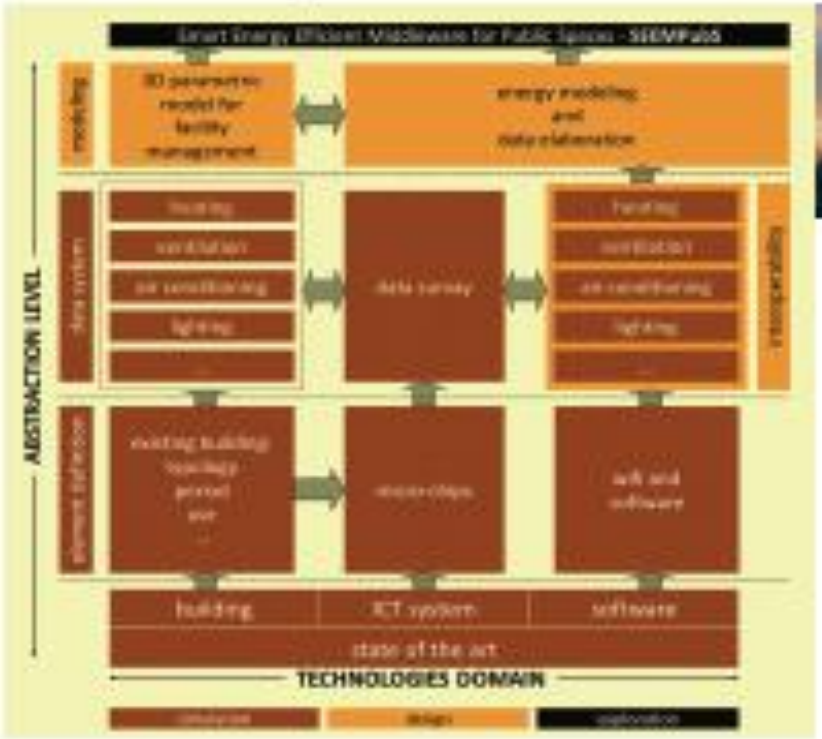
Scale model of the demonstration site in the district of Tweewaters, Belgium

Energy-Hub for Residential and Commercial Districts and Transport



Project examples (3/4)

Smart Energy Efficient Middleware for Public Spaces



Sporte²

Energy Efficiency for European Sport Facilities

Project examples (4/4)

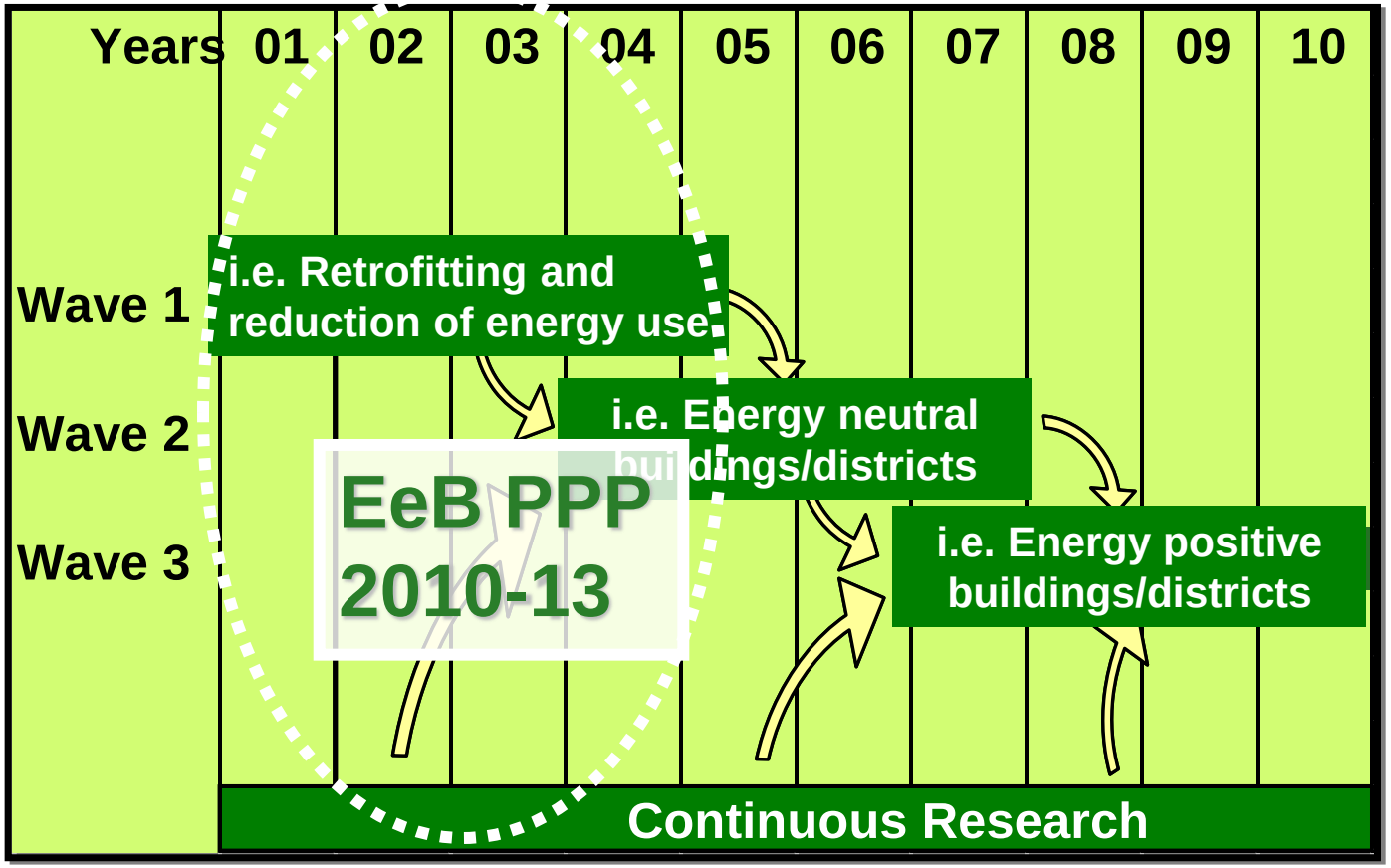
Improving the Energy Efficiency of Historic Buildings in Urban Areas

Efficient Energy for Cultural Heritage

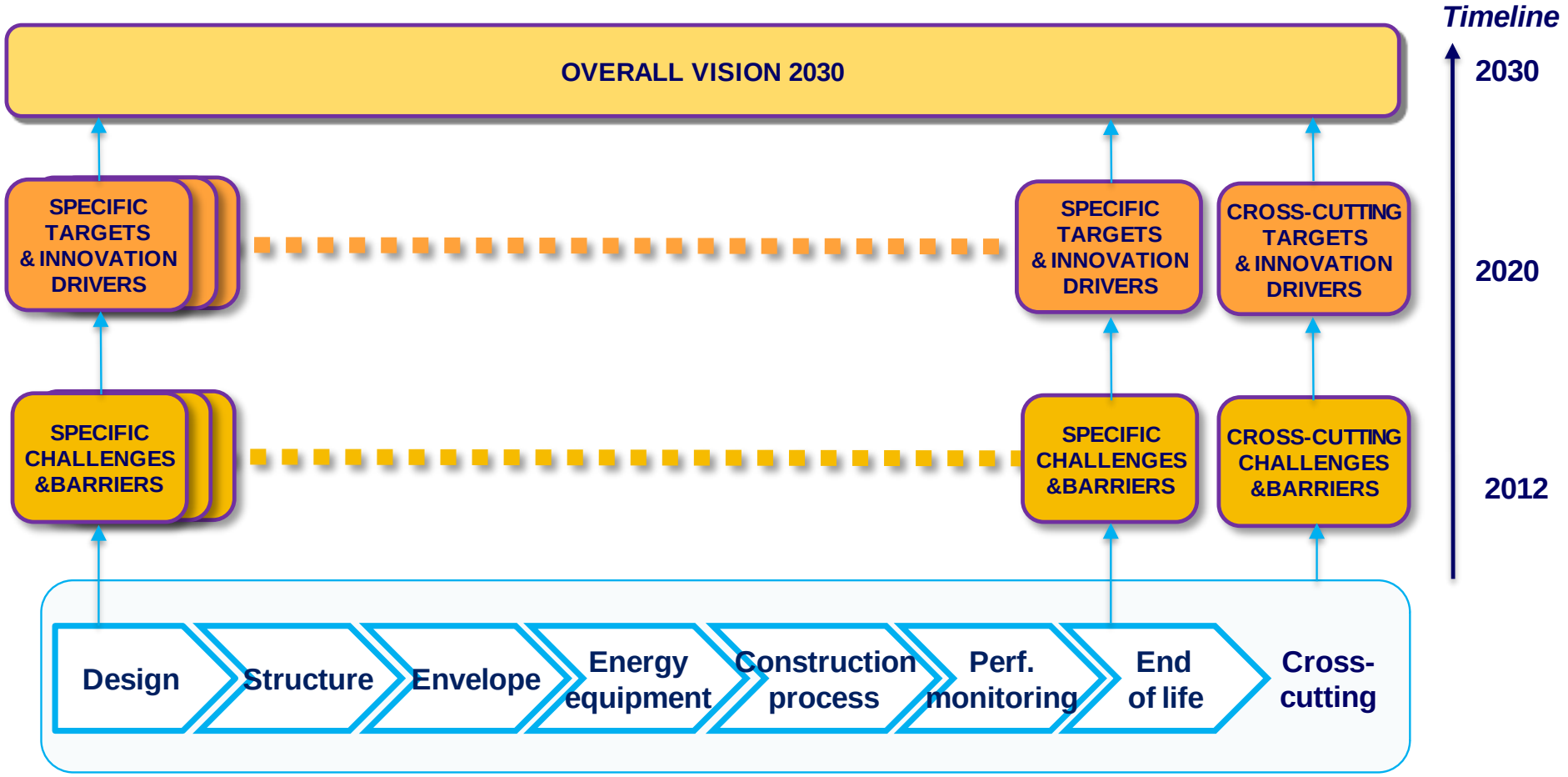
Thermography of the Public Weigh House in Bolzano/Bozen (Italy)

A long term programme

EeB PPP as first wave of a Long Term Strategy

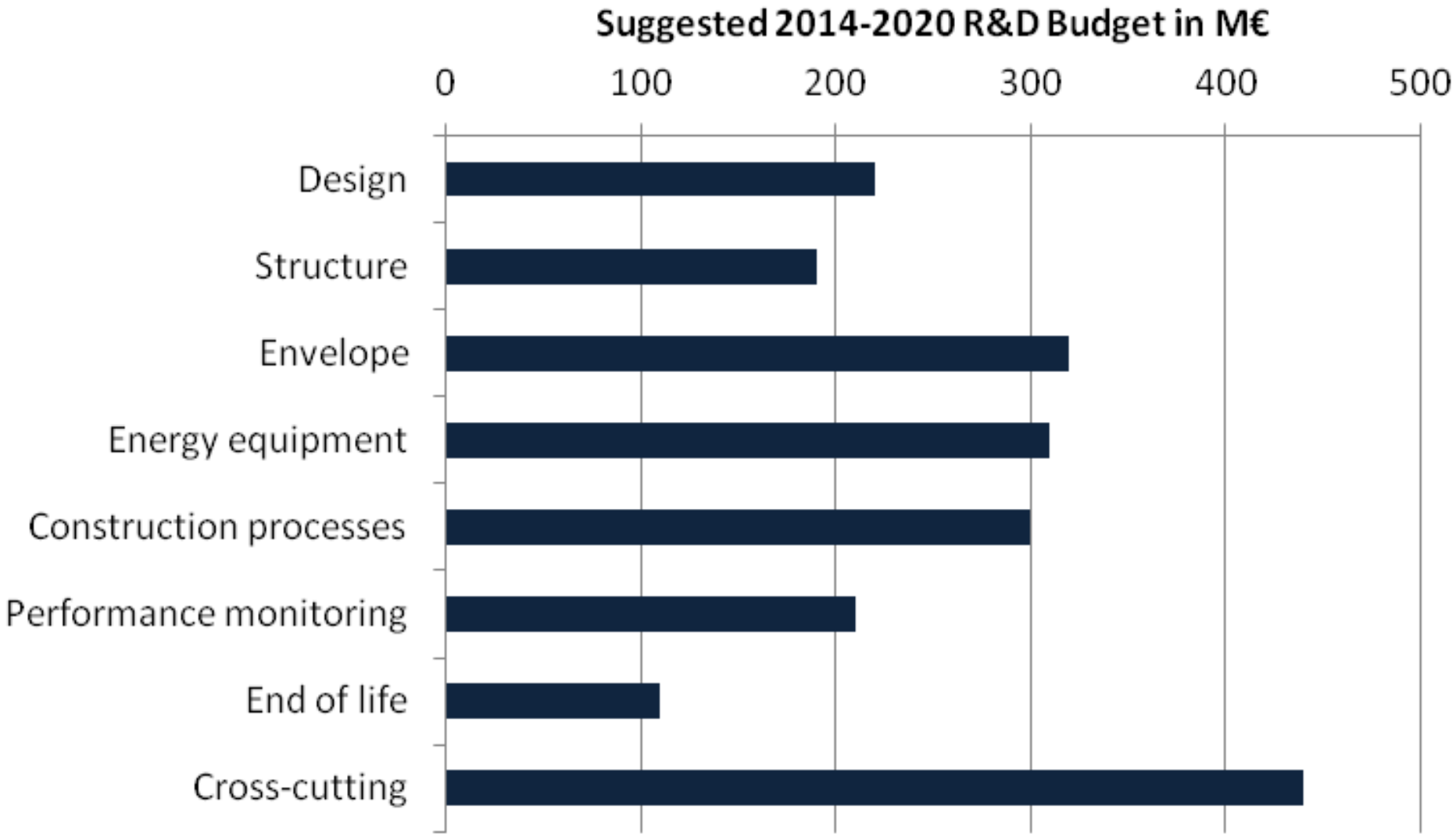


The roadmap structure

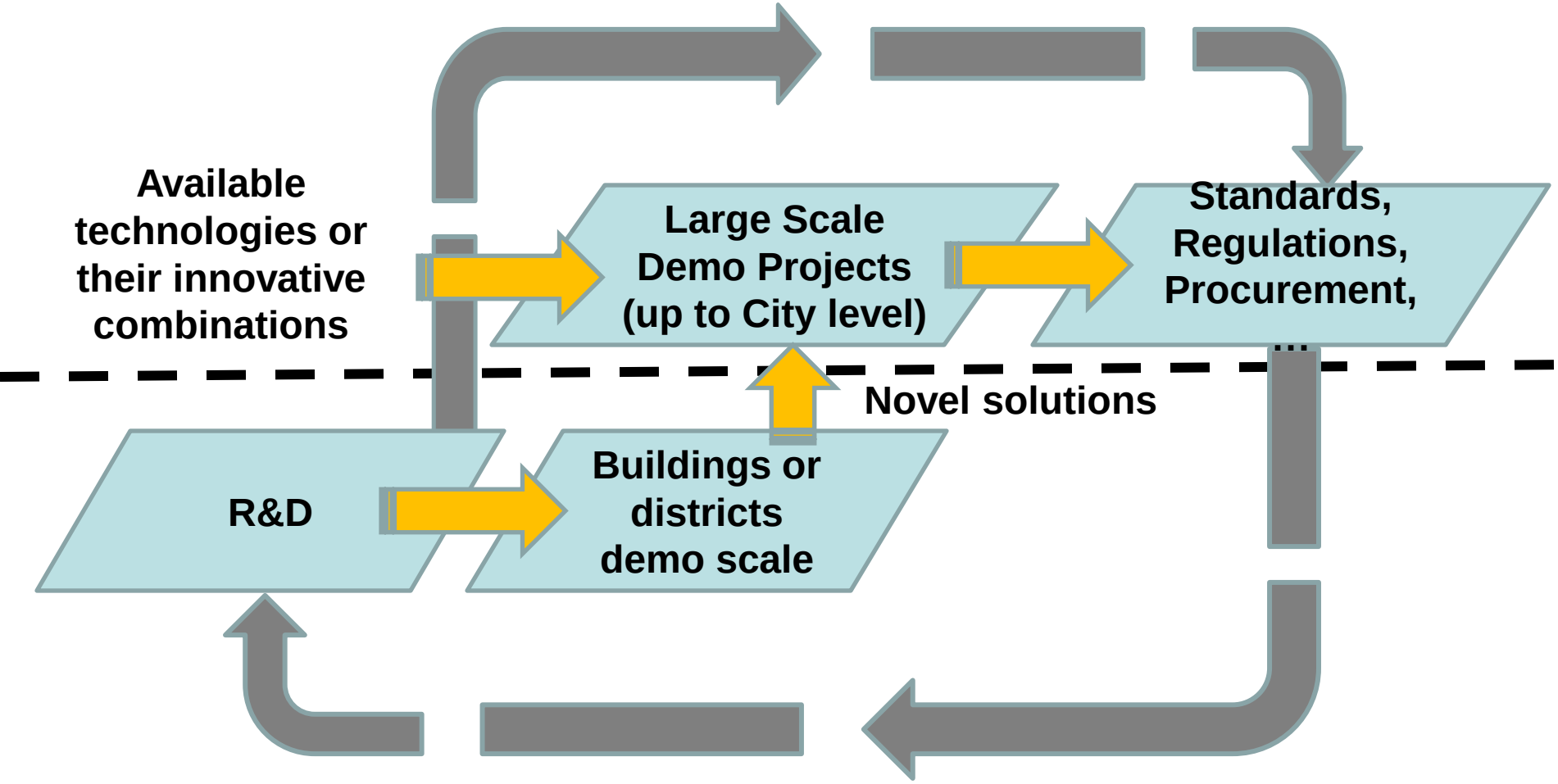


A multi-disciplinary and cross-sectorial (ETPs) approach

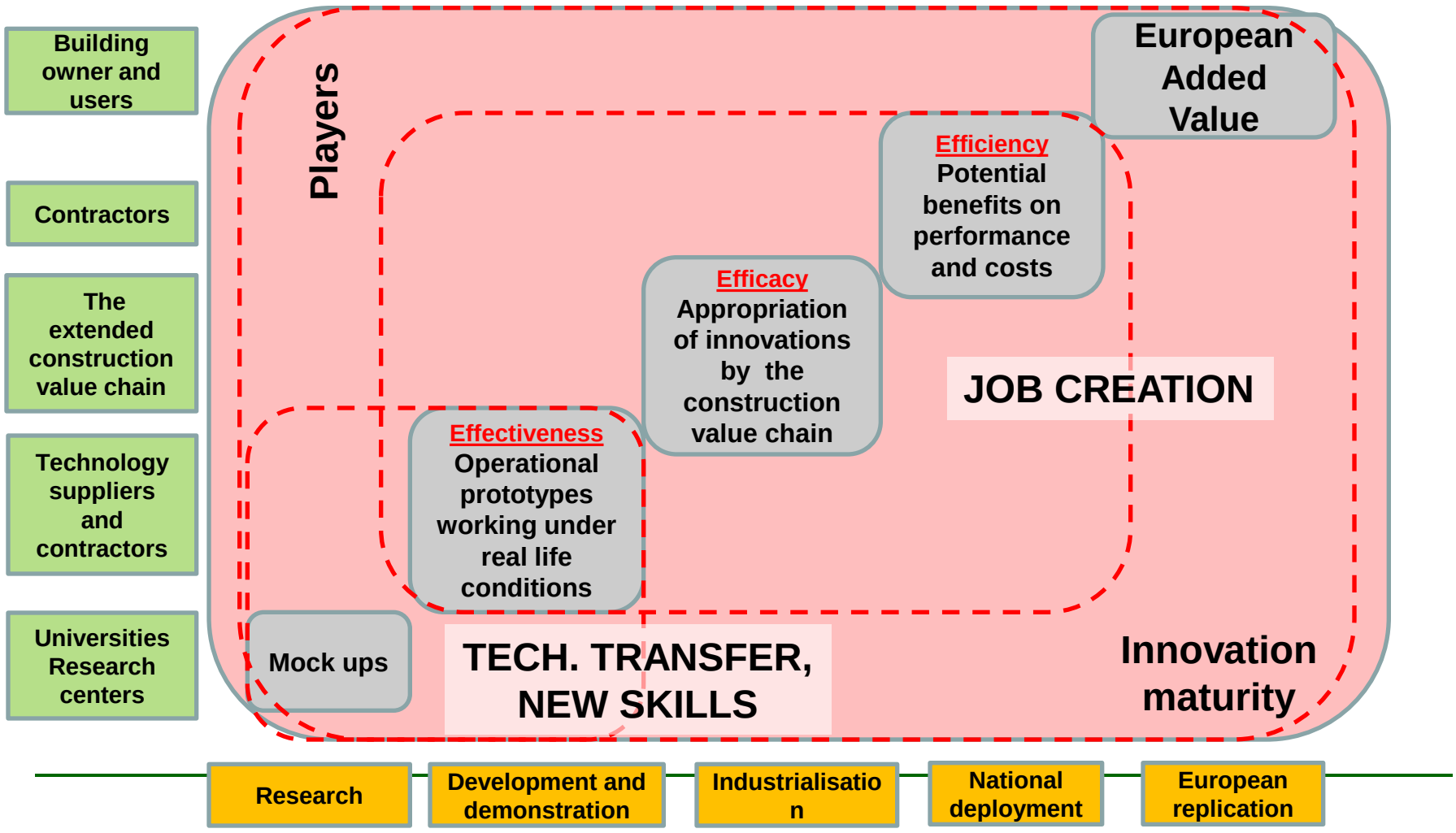
Preliminary resource allocation



Covering the whole innovation cycle



The innovation model



Reaching consensus

Ruolo chiave per la piattaforma ICTP

www.ectp.org/enewsportal/

Grazie per l'attenzione!!

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